

B. IN THE CLAIMS

Please enter the following rewritten claims:

- Anb C1 A2*
1. An *in vitro* method for determining the effect of an agent on cell proliferation,
comprising:

contacting a cell containing a *Renilla* luciferase polypeptide or a polynucleotide encoding
a *Renilla* luciferase with an agent suspected of modulating cell proliferation under conditions that
allow the agent and the cell to interact; and

comparing the light emission data from the cell in the presence of the agent to the light
emission data from the cell in the absence of the agent, wherein a difference in light emission
data is indicative of an effect on cell proliferation.

- A3 Anb B3*
18. An *in vitro* method for determining cell proliferation of a cell or population of cells
comprising:

obtaining light emission data from a cell containing a *Renilla* luciferase polypeptide or a
polynucleotide encoding a *Renilla* luciferase over a period of time wherein a change in light
emission data is indicative of a corresponding change in cell proliferation.

- Anb C3*
31. An *in vitro* method for determining the effect of an agent on cell proliferation, the method
comprising:

transfecting a cell obtained from a sample with a vector containing a polynucleotide
sequence encoding a *Renilla* luciferase;

contacting the transfected cell with an agent suspected of modulating cell proliferation
under conditions that allow the agent and the cell to interact; and